



Elliott Laboratories Inc.
www.elliottlabs.com

684 West Maude Avenue
Sunnyvale, CA 94085-3518

408-245-7800 Phone
408-245-3499 Fax

August 18, 2005

FCC ID: E5MDS9790

This is the response received below regarding the 3 PC applications.....Note in my experience, I have seen an amplifier and/or other obsolete parts changed under a PC....However not to the extent of redesigning the whole board with new packaged components, etc as given here.

Please let us know how you wish to proceed for the FCC portion of this device.....Also, given the response above, should we continue to process the IC PC at this time or hold off until the FCC side of this is handled as well. Please let us know.

Tim

Date: Wed, 10 Aug 2005 15:46:49 -0400 (EDT)

From: Generic Office of Engineering Technology <oetech@fccsun27w.fcc.gov>

Subject: Response to Inquiry to FCC (Tracking Number 352320)

Inquiry:

Please see the attached FCC interpretation, Old/New Schematics, Old/New Internal Photographs, PC Cover Letter Explanation, and ATCB's response to the applicant. Please advise if this can be done under a Permissive Change.

---Reply from Customer on 08/09/2005---

Response: Based on the description of changes made to the RF circuitry, this device requires a new FCCID number for certification of a new RF design.

Response: I agree that MDS9710 does have extensive changes, but I am not sure if this response applies to the MDS9790 since the only changes made to the radio is the amplifier section of the circuit and any matching components. A detail review of the schematics will show what was added and what was replaced. Detail below as to changes from the old to new.

New amplifier and matching components:

U504 (MBC13916)

L501

C542, C527, C519, C511, C515, and C514

R512, R508, R513, R519, R522, R528, R529

U508 (HMC479)



Elliott Laboratories Inc.
www.elliottlabs.com

684 West Maude Avenue
Sunnyvale, CA 94085-3518

408-245-7800 Phone
408-245-3499 Fax

U506 (New amplifier)
U507 (LTC3505-1)

Old amplifier and matching components:

R507, R506, C513, L500, L501, C512, C549 (Replaced by U504)
U505 (Still in the new schematic)
U506 (Replaced by new U506 amplifier)
U501 and components (Replaced by U507)

By looking at the changes made from new to old this does not look like a new RF design, but a change of components in the Amplifier circuit. Also the photos of the old to new board, minor board layout for the amplifier and power sensor circuit were done and nothing else. This interpretation will burden the manufacture of getting a new FCC ID everytime a component goes obsolete with minor board layout changes. Power output remained with +/- .5 dB of the original stated power and harmonic content was the same or better.

Regards,

A handwritten signature in black ink that reads "Juan Martinez".

Juan Martinez
Senior EMC Engineer
JM/dmg